AVAYA

Digital AM / FM Tuner

Installation and Use Manual

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PEC Code: 5335-505
COM Code: 408184257
Model: LUAMFMT
Select Code: 701-000-105

Notice
Every effort was made to ensure that the information in this guide was complete and accurate at the time of printing. However, information is subject to change.

FCC Statement (Part 15) - Radio Frequency Interference
The Digital AM/FM Tuner generates and uses radio frequency energy and if not installed and used in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. Testing is being conducted for compliance with the limits for a Class B device in accordance with the specifications in Part 15 of the FCC Rules and Canadian D.O.C. regulations. This testing is designed to provide reasonable protection against such interference. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the Digital AM/FM Tuner unit off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the radio or TV receiving antenna.
- Relocate the Digital AM/FM Tuner unit with respect to the radio or TV receiver or vice-versa.
- Plug the Digital AM/FM Tuner unit into a different outlet so that it and the radio or TV receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet, "How To Identify and Resolve Radio-TV Interference Problems," helpful. This booklet was prepared by the Federal Communications Commission (FCC) and is available from the U.S. Government Printing Office, Washington, DC 20402.
Stock order No. 004-000-00345-4.

Important Safety Information

Always follow these basic safety precautions when installing and using the unit:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. DO NOT block or cover the ventilation slots and openings. They prevent the product from overheating. DO NOT place the product in a separate enclosure or cabinet, unless proper ventilation is provided.
4. Never spill liquid on the product or drop objects into the ventilation slots and openings. Doing so may result in serious damage to the components.
5. Repair or service must be performed by a factory authorized repair facility.
6. The product is provided with a UL-CSA approved, 3-wire ground type plug. This is a safety feature. DO NOT defeat the safety purpose of the grounding type plug. DO NOT staple or otherwise attach the AC power supply cord to building surfaces.
7. DO NOT use the product near water or in a wet or damp place (such as a wet basement).
8. DO NOT use extension cords. The product must be installed within 6 feet of a grounded outlet receptacle.
9. DO NOT install telephone wiring during a lightning storm.
10. DO NOT install telephone jacks in a wet location unless the jack is specifically designed for wet locations.
11. Never touch uninsulated wires or terminals, unless the line has been disconnected at the paging or controller interface.
12. Use caution when installing or modifying paging or control lines.

Support Information
Paging systems integrated with small phone systems such as Merlin Legend and Partner are supported by the National Service Assistance Center (NSAC). The main number for the NSAC is 800-628-2888. Paging systems integrated with large switches such as the DEFINITY G3 are supported by the Technical Service Center (TSC). The main number for the TSC is 800-242-2121.

Domestic and International Approvals
UL Listed 538C; FCC Part 15.

Digital AM / FM Tuner

Package Contents

Your carton contains:
* Digital AM/FM Tuner unit
* FM Antenna
* AM Loop Antenna
* Stereo-to-mono Cable
* Mono-to-mono male RCA Cable

Description

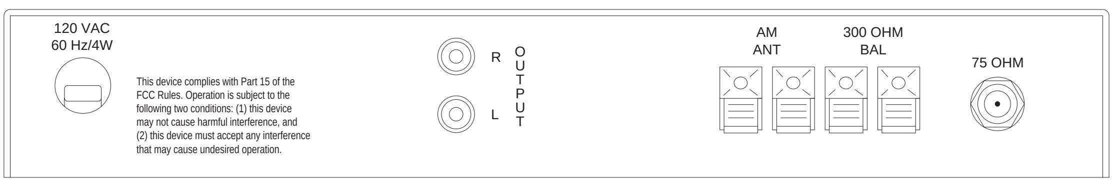
This Lucent Technologies AM/FM Tuner incorporates the latest in PLL digital circuitry for reliable performance for years to come.

Antenna Connection

This unit is designed for connection to various antenna systems as described below.

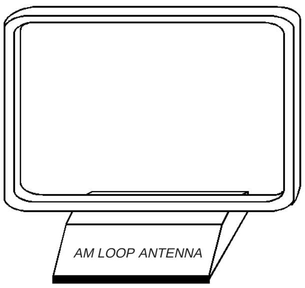
CAUTION: *For external antennas, use No. 8 AWG aluminum wire, or larger, as ground wires for both mast and lead-in, and secure to building structure with insulators spaced 4 to 6 feet apart. Mount antenna discharge unit as closely as possible to where the lead-in enters the building.*

connector panel



External FM Antenna. If installing a standard 300-ohm antenna system, connect the two wires from the 'T' antenna to the screw terminals marked 300-ohm. At the same time, remove any jumper wires connected to these terminals. If conditions require the use of a coaxial transmission line, such as RG-11 or RG-59, connect the coaxial transmission line to the screw terminals marked 75-ohm.

Always disconnect any jumper wire connected to the 300-ohm terminals when using an external FM antenna.



AM Loopstick Antenna - Use an external AM antenna for AM reception.

1. Carefully pull the antenna lead from the holding notch in the antenna and unwind the lead from the loop.
2. Connect the antenna leads to the terminals marked AM ANT.
3. Fold the antenna so that it snaps into the base forming a free-standing unit (see diagram).
4. Position the antenna for best reception. If desired, the antenna may be permanently mounted using screws through the two holes in the base.

Audio Connection

Two audio patch cords are provided to make audio connections. One cord is a mono patch cord (one RCA plug at each end) and the other is a stereo-to-mono cord (2 RCA plugs at one end, 1 RCA connector at the other end).

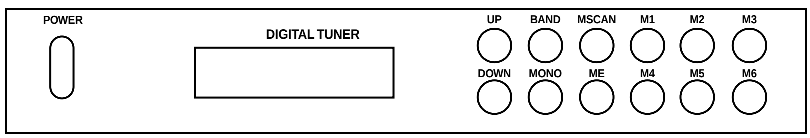
1. Connect the stereo end (two RCA plugs) of the stereo-to-mono cord to the R and L OUTPUT terminals on the unit (see connector panel diagram on page 3).

2. Connect the other end (one RCA connector) of the stereo-to-mono cable to one end of the mono-to-mono cable. Then connect the other end of the mono-to-mono cable to the high level input (AUX, HI-Z TUNER) of an audio pre-amplifier.

Note: Mono operation is appropriate for most paging applications. If mono operation is selected via the front panel, use the supplied mono-to-mono connecting cable **only** (connecting either L or R OUTPUT to audio pre-amplifier).

Operation

FRONT VIEW



Power – Press the front panel POWER switch to apply power. Adjust the volume to the appropriate level using the amplifier volume controls.

To Select a Band – Press the button marked BAND. The current band appears on the display: FM1, FM2, FM3, AM1 or AM2. You can preset up to six stations on each band for a total of 30 preset stations (18 FM and 12 AM). To tune a station, press the UP or DOWN buttons.

To Preset Stations

1. Select a band and tune the first desired station.
2. Press the **ME** button and then one of the "**M**" buttons; for example, **M1**. (The preset number appears on the display as: **CH1**.)
3. Tune the next station, press **ME** and the **M2** button, etc., and continue for the 2nd through 6th presets.

To Scan Preset Stations

1. Select a band. The first preset station (**CH1**) will appear on the display.
2. Press the button marked **MSCAN**. Each preset station will play for a few moments in turn while scanning.
3. To select a station during scanning, press the "**M**" button that corresponds to the **CH** number on the display.

Specifications

AM Band Coverage	530 – 1620kHz
FM Band Coverage	87.5 – 107.9MHz
Tuning	PLL Synthesizer
Channel Indicator	LCD Panel
Station Tuning	Pushbutton
Preset Memory	FM-18/AM-12
Memory Scan	Preset Stations
Antenna Connectors	FM – 75Ω, 300Ω, AM
Audio Output	1V, Stereo Out
Output Terminals	RCA Jacks